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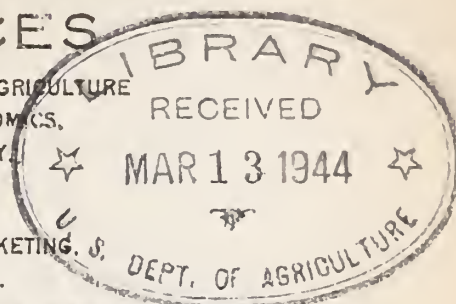
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COTTON LITERATURE

SELECTED REFERENCES

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COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

PRODUCTIONGeneral

New Mexico Agricultural experiment station. Forty-second annual report, 1930-31. State College, 1931. 76 p. illus.

Includes statements on the following projects: Cotton investigations.--Genetic experiments with cotton to improve the quality of cotton in the irrigated sections of New Mexico and to study the factors necessary for its production.--Water requirements and the economical use of water for cotton and other crops.

Stoutamire, Ralph. Cotton production in Florida. Tallahassee, Fla., 1931. 22 p. illus. (Fla. Dept. of agriculture. Bul. 55, n.s.)

Discusses all phases of growing and harvesting of cotton in Florida.

Physiology

Demianov and Labashov. K voprosu o fotoperiodizme u khlopchatnika v sviazi s ego kul'turoi v noviukh khlopkovykh raionakh. Sozialisticheskaiia Rekonstruktsiia Selskogo Khoziaistva, no. 12, Dec. 1931, p.122-137. (Published at Moscow, U.S.S.R.)

Question of photo-periodism of cotton in connection with its cultivation in new regions.

Genetics

Boone, Raymond C.P. Rendements en fibre et graines, à l'hectare, des meilleures variétés de cotonniers. Bulletin de L'Agence Générale des Colonies, v.22, no.244, May 1929, p.431-546. tables. (Published at Galerie d'Orleans, Palais Royal, Paris, France)

Yields of fiber and seed per hectare of the different varieties of cotton.

Summarizes reports on variety tests made by experiment stations in the United States and

India. Sources of the information are listed, as are names and addresses of producers of selected seed.

Doyle, C. B. Cotton growers advised not to try large-scale planting of Sea Island. Yearbook of Agriculture, 1932, p.148-150. illus. (Published by U. S. Department of Agriculture, Washington, D. C.)

Harland, S. C. The genetics of cotton. V. Reversal of dominance in the interspecific cross *G. barbadense* Linn. v *G. hirsutum* Linn. and its bearing on Fisher's theory of dominance. VI. The inheritance of chlorophyll deficiency in the new world cottons. Journal of Genetics, v.25, no.3, Apr. 1932, p.261-270, 271-280. illus. (Published by Cambridge University Press, Fetter Lane, E.C.4, London, England)

Hutchinson, J.B. The genetics of cotton. VII. "Crumpled": a new dominant in Asiatic cottons produced by complementary factors. Journal of Genetics, v.25, no.3, Apr. 1932, p.281-291. illus. (Published by Cambridge University Press, Fetter Lane, E.C.4, London, England)

Maarad cotton. International Cotton Bulletin, v.10, no.39, Apr. 1932, p.393. table. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

From "L'Informateur", published in Alexandria, Egypt.

Brief history and description of this variety.

Mississippi Agricultural experiment station. Report of the Holly Springs branch experiment station, 1931. By Otis B. Casanova. [State College] 1931. 12 p. tables (Bul.296)

"The purpose of this test is to determine the varieties of cotton that are most productive and best adapted to the soil and climate of this section."

Satyanarayana, M. "Northerns" cottons. II. Phyto-technology. Madras Agricultural Journal, v.20, no.3, Mar.1932, p.87-95. (Published at M.A.S. Union, Agricultural College and Research Institute, Coimbatore, S.India)

Stroman, G.N. Correlations of certain lint characters in cotton and their practical application. Journal of Agricultural Research, v.44, no.6, Mar. 15, 1932, p.523-527. tables. (Published by U. S. Department of Agriculture, Washington, D. C.)

Literature cited: p.527.

"This paper reports data on the relationships of percentage of lint, lint index, boll weight, and length of lint in certain related families of cotton. The simple and partial correlation coefficients between each of these characters are given, as are also the multiple correlation coefficients where each of the characters is used as the primary. The practical application of the data to breeding procedure is shown."- Introduction.

These varieties lead. Tests indicate cottons to plant. Progressive Farmer and Southern Ruralist, (Texas ed.), v.47, no.8, Apr.15-30, 1932, p.8, 22. tables. (Published at Birmingham, Ala.)

"Half and Half, New Boykin, Lankhart, Truitt, Anton, Sunshine, Kasch, Mebane, Western Wonder, Burnett, Qualla, Westex, and Ferguson's Triumph are among the varieties of cotton that have done unusually well in the tests conducted at 14 substations of the Texas Experiment Station during the past 11 years." Gives results for each substation. Tables give characteristics of leading varieties, and price other varieties must bring (in cents) to equal Half and Half at 6 cents.

Agronomy

Ames, C.T. Fertilizers pay in west Tennessee. Better Crops with Plant Food, v.18, no.1, Apr.-May, 1932, p.26,50-51. illus. (Published at 19 West 44th St., New York. N.Y.)

Describes experiment on cotton.

Buie, T.S. Complete fertilizer for side dressing cotton. American Fertilizer, v.76, no.10, May 7, 1932, p.28, 30. (Published at 1330 Vine St., Philadelphia, Pa.)

Buie, T.S. 1932 cotton crop in Georgia. Southern Cultivator, v.89, no.24, Apr.15, 1932, p.10. (Published by the Constitution Publishing Co., Box 1731, Atlanta, Ga.)

Predicts need of extensive use of fertilizer.

Hale, G.A. Homemade commercial fertilizers. Details of five formulas given to aid farmers in mixing their own fertilizers at small cost. Southern Cultivator, v.89, no.24, Apr.15, 1932, p.3, 10. illus. (Published by the Constitution Publishing Co., Box 1731, Atlanta, Ga.)

Formulas for fertilizers for use in growing cotton are included.

Hamilton, R.W. The cotton contest--1931. For better yield and staple value. Clemson college, S.C., 1932. 19p. tables, map. (Clemson agr. col. Ext. serv. Circ. 120)

Gives average of staple length, lint percentage, and bolls per pound for the varieties grown; value of lint per acre for various staple lengths; effect of row width on yield; fertilizer practices; boll weevil control methods; and effect of content on staple lengths of state.

Iurchenko, N. Voprosy agrotekhniki i sevooborotov v sovkhozakh i kolkhozakh novykh khlopkovykh raionov. Sotsialisticheskaya Rekonstruktsiya Sel'skogo Khoziaistva, no.12, Dec.1931, p.106-115. (Published at Moscow, U.S.S.R.)

Questions of agrotechnique and crop rotation in sovkhozi and kolkhozi in new cotton regions.

Mehring, A.L., and Cumings, G. A. Effects on cotton of irregular distribution of fertilizers. Journal of Agricultural Research, v.44, no.7, Apr.1, 1932, p.559-570. illus. tables. (Published by U.S. Department of Agriculture, Washington, D. C.)

"Gives a statistical analysis of some of the results previously published, in order to show the differences in the effects of fertilizers on cotton when applied uniformly and with typical degrees of irregularity...More rapid and uniform growth, earlier blooms, earlier maturity, and larger yields of cotton were produced by uniform applications than by irregular ones. The extent of these effects was decidedly significant and varied with the degree of irregularity of distribution."

Paden, W.R. Differential response of certain soil types to applications of calcium arsenate. American Society of Agronomy Journal, v.24, no.5, May 1932, p.363-366. illus. (Published at Geneva, N.Y.)

Illustrations show growth of cotton and cowpeas on Davidson clay loam receiving various applications of calcium arsenate and on Durham coarse sandy loam receiving the various applications of calcium arsenate, with and without calcium hydroxide.

Shulimov, G. Peresadochnyi khlopok. Socialisticheskaia Rekonstruktsiia Sel'skogo Khoziaistva, no.12, Dec.1931, p.115-122. (Published at Moscow, U.S.S.R.)

Transplanted cotton.

Skinner, J.J. Fertilizer placement of vast importance in cotton-growing states. Yearbook of Agriculture, 1932, p.538-541. illus. (Published by U.S. Department of Agriculture, Washington, D.C.)

South Carolina grows better cotton. Manufacturers Record, v.101, no.21, May 26, 1932, p.20. (Published at Commerce and Water Sts., Baltimore, Md.)

Brief report of contest for better staple begun in 1926. Results are stated.

Vysozky, K. Cotton plant: vegetative propagation. Textile Institute, Journal, v.23, no.4, Apr.1932, p.A158. (Published at 16, St.Mary's Parsonage, Manchester, England)

"Experiments planned at the Turkestan Selection Station in the summer of 1930 show that the genus Gossypium lends itself to artificial vegetative propagation. Not only cuttings but sections of leaves take root in a glass-covered hot-bed and give rise to new plants. Plates show instances of artificial propagation. In the case of a leaf cut through the petiole, the cut surface had thickened after 6 days and the leaf had put out roots after 13 days. In the case of a cutting the cut surface had increased in size in 3 days, thickened in 7 days, and commenced to develop roots. This type of propagation will be of great importance where, for example with hybrids, it is sought to avoid further cleavage of the nearest bastard generations."- Abstract from Melliand Textilberichte, v.13, 1932, p.33. Original article in Bulletin Nichi, v.2, 1930, p.22-27.

Ward, A.L. Maintaining soil fertility under present conditions. Cotton and Cotton Oil News, v.33, no.19, May 7, 1932, p.11,18. (Published at 3116-18 Commerce St., Dallas, Tex.)

Paper presented at meeting of the Dallas Agricultural Club, May 4, 1932.

Recommends combination of live stock and cotton production.

Diseases

Dana, Bliss F., Rea, H.E., and Dunlavy, Henry. The influence of date of planting cotton on the development of root-rot. American Society of Agronomy Journal, v.24, no.5, May 1932, p.367-377. (Published at Geneva, N.Y.)

Bibliographical footnotes.

King, C.J. Cotton root rot causes great loss in Southwest; control problem unsolved. Yearbook of Agriculture, 1932, p.152-153. illus. (Published by U.S. Department of Agriculture, Washington, D.C.)

Scientist describes methods to reduce cotton root-rot severity. American Ginner and Cotton Oil Miller, v.9, no.7, Mar.1932, p.20, 22. (Published at P.O. Box 504, Little Rock, Ark.)

Report of work on fertilizers under supervision of J.J. Skinner of the U.S. Department of Agriculture.

West, J., and Stuckey, W.R. Macrophomina phaseoli (Maub.) Ashby, in Trinidad. I.Parasitism. II.Physiology. St. Augustine, Imperial College of Tropical Agriculture, Memoirs, Mycological Series, v.4, Jan.1931. 20p. (Published at St. Augustine, Trinidad, B.W.I.)

Literature cited: p.7,20.

Inoculation experiments on cotton and to lesser extent on jute. Thought to be facultative parasite of former.

Also in Review of Applied Mycology, v.10,no.9, Sept.1931, p.613-614.

Farm Engineering

Hurst, W.M. Some types of harvesting machinery reach high state of development. Yearbook of Agriculture, 1932, p.445-446. (Published by U.S. Department of Agriculture, Washington, D.C.)

"The problems involved in the development of a successful mechanical cotton harvester are doubtless the most difficult of any which have confronted inventors and designers of agricultural implements...due largely to the physical characteristics of the cotton plant and to the wide

variations in soil, weather, and crop conditions under which cotton is grown. There are at present two types of cotton harvesters in the experimental stage."

The Meyercord cotton picker. Farm Implement News, v.53, no.17, Apr.28,1932, p.12-14. illus. (Published at Chicago, Ill.)

Randolph, John W. Use of machinery in cotton production. Agricultural Engineering, v.13, no.4, Apr.1932, p.99-100. diagsr. (Published by the American Society of Agricultural Engineers, Saint Joseph, Mich.)

Paper presented at meeting of the Southern Section of the American Society of Agricultural Engineers, at Atlanta, Ga., Feb.1931.

Diagrams show distribution by months of labor required to grow 13 1/2 acres of cotton, and cotton spacing tests on fertilized and unfertilized land.

Reynoldson, L.A., and Thibodeaux, G.H. Mechanization in South has been retarded by lack of a cotton-picking machine. Yearbook of Agriculture, 1932, p.428-431. (Published by U.S. Department of Agriculture, Washington, D.C.)

Farm Management

Bowker, H. Lower crop-production costs the key to prosperity in cotton belt. Fertilizer Green Book, v.13, no.5, May 1932, p.16-21. illus. (Published by the Complete Service Publishing Co., 538 So. Clark St., Chicago, Ill.)

Cotton Land Resources

Williams, Carl. The land use problems in the South. Journal of Forestry, v.30, no.3, Mar. 1932, p.276-283. (Published by Society of American Foresters, Room 810, Hill Bldg., Washington, D.C.)

Address delivered at the 31st annual meeting of the Society of American Foresters at New Orleans, La., Dec.29-31, 1931.

The author presents a program to be followed by federal, state and local agencies to bring about better utilization of the land. The place of cotton in the scheme is discussed.

Cooperation in Production

Cook, O.F. Cotton fiber improvement necessitates community action to keep seed pure. Yearbook of Agriculture, 1932, p.145-148. illus. (Published by U.S. Department of Agriculture, Washington, D.C.)

"The system of buying must be improved, as well as the system of production, in order to improve the fiber."

Cook, O.F. What's wrong with cotton? Mississippi Co-op News, v.3, no.10, May 1932, p.3,6-7. (Published at 236 1/2 E.Capitol St., Jackson, Miss.)

Urges growers to organize to produce one variety of cotton.

Also in Oklahoma Cotton Grower, v.12, no.15, May 25, 1932, p.4.

Also in Southern Cultivator, v.90, no.2, May 15, 1932, p.2.

Garner, C.B. Modern methods of agriculture benefit farmers in Chattooga county, Ga., community enterprise. Southern Cultivator, v.89, no.24, Apr. 15, 1932, p.16. illus. (Published by the Constitution Publishing Co., Box 1731, Atlanta, Ga.)

The Gore community in Chattooga county grows only Acala cotton and operates community-owned gin.

McKeever, H.G. Cotton communities showing more interest in one-variety plan. Yearbook of Agriculture, 1932, p.139-140. illus. (Published by U.S. Department of Agriculture, Washington, D.C.)

PREPARATIONGinning

Adams, Orville. Ginners contribute thrity million dollars to farmers. Sees hysteria of low rates spread over all southland. Cotton and Cotton Oil News, v.33, No.20, May 14, 1932, p.3-5. (Published at 3116-18 Commerce St., Dallas, Tex.)

Adams, Orville. Power problem dominates convention of Texas ginners. Industry seeking relief of burden. Cotton and Cotton Oil News, v.33, no.18, Apr. 30, 1932, p.5,9. illus. (Published at 3116-18 Commerce St., Dallas, Tex.)

Discusses power units for gins.

Adams, Orville. Why the Texas ginner can't pay their debts. Survey shows Texas industry lost \$10,000,000 in 1931-32. Cotton and Cotton Oil News, v.33, no.19, May 7, 1932, p.3-5. tables. (Published at 3116-18 Commerce St., Dallas, Tex.)

Summarizes study made by the Cotton and Cotton Oil News of Texas ginner's reports which were tabulated and classified; shows relation of power to ginning costs.

Bennett, Charles A. Better ginning and improved preparation. Cotton and Cotton Oil News, v.33, no.18, Apr.30, 1932, p.12-14. (Published at 3116-18 Commerce St., Dallas, Tex.)

Address presented at convention of the Texas Cotton Association, Houston, Tex., Apr.2, 1932.

Discusses the effect of different ginning methods on cotton quality. Mentions research at the Federal Laboratory at Stoneville, Miss.

Bennett, Charles A. Seed-cotton drying proves profitable; two types of driers used. Yearbook of Agriculture, 1932, p.433-435. illus. (Published by U.S. Department of Agriculture, Washington, D.C.)

Field experience establishes worth of automatic cotton dryer. American Ginner and Cotton Oil Miller, v.9, no.3, Nov.1931, p.16-18. illus. (Published at P.O.Box 504, Little Rock, Ark.)

Describes Green's Automatic Cotton Dryer.

Gerdes, F.L. Cotton fiber quality in relation to ginning. Oil Miller and Cotton Ginner, v.40, no.3, May 1932, p.5,9-11. (Published at 161 Spring St., N.E., Atlanta, Ga.)

To be continued.

"Paper read by Chas. A. Bennett...before the convention of Oklahoma Cotton Ginners' Association, Oklahoma City, Okla., April 26, 1932."

Also in American Ginner and Cotton Oil Miller, v.9, no.9, May, 1932, p.4-10, 17, 20-21.

Abstract in Cotton and Cotton Oil News, v.33, no.18, Apr.30, 1932, p.7,11.

Gerdes, F.L. Cotton quality affected in ginning process by moisture in seed cotton. Yearbook of Agriculture, 1932, p.431-433. illus. (Published by U.S. Department of Agriculture, Washington, D.C.)

"The development and use of artificial cotton driers during the last few years, particularly in 1931, have afforded a practical and economical means of successfully drying seed cotton."

Machia, L.L. The lighter type of gas engine for gin power. American Ginner and Cotton Oil Miller, v.9, no.7, Mar.1932, p.14-15, 17-18. (Published at P.O. Box 504, Little Rock, Ark.)

Gives advantages of the lighter type and compares it with other types of gas engines.

Oklahoma ginners hold successful convention.

Cotton and Cotton Oil News, v.33, no.18, Apr.30, 1932, p.7,11. (Published at 3116-18 Commerce St., Dallas, Tex.)

Report of meeting of the Oklahoma Cotton Ginners Association held in Oklahoma City, Okla., Apr.26, 1932.

Shults, Frank M. What is to become of co-op gins? Oklahoma Farmer-Stockman, v.45, no.10, May 15, 1932, p.241,261. illus. (Published by Oklahoma Publishing Co., Oklahoma City, Okla.)

Urges federation of co-operative gins into an overhead organization.

Thompson, John C. Ginning discussed by secretary in annual report. Cotton Ginners' Journal, v.3, no.8, May, 1932, p.10-12. (Published at Dallas, Tex.)

Report of secretary of Texas Cotton Ginners' Association.

Discusses fixed charges for ginning.

Thompson, John C. The Texas ginner occupies an important place in the industry. Acco Press, v.10, no.4, Apr.1932, p.9,13. (Published by Anderson, Clayton and Co., Houston, Tex.)

"First of a series... pointing out how the ginner may serve both the farmer and the spinner."

What the spinner wants. Acco Press, v.10, no.5, May, 1932, p.8-10. illus. chart. (Published by Anderson, Clayton and Co., Houston, Tex.)

Second of a series of articles dealing with the producer-ginner-spinner relationship.

"It is definitely to the advantage of the spinner to seek well ginned cotton. He can afford to pay more for such cotton because it costs him less to spin and weave it into cloth. To

furnish him with this cotton is a problem the ginning industry should face squarely."

Also in Cotton and Cotton Oil News, v.33, no.19, May 7, 1932, p.15.

MARKETING

General

Arizona agricultural college. Extension service. 1932 agricultural situation for Arizona. [Tucson, 1931?] [13] p.

Cotton: p. [5-6]

Clayton, W.L. Cotton--symbol of commercial freedom. Commerce and Finance, v.21, no.18, May 4, 1932, p.624-626. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

Address at annual meeting of American Cotton Shippers' Association, at Memphis, Tenn., Apr.29, 1932.

Discusses the present situation in the cotton trade.

Also in Acco Press, v.10, no.5, May, 1932, p. 6-7, 12-16.

Also in Cotton Digest, v.4, no.30, May 7, 1932, p.2, 7.

Also in Cotton Trade Journal, v.12, no.18, May 7, 1932, p.2.

Also in American Ginner and Cotton Oil Miller, v.9, no.9, May, 1932, p.11-13, 21-22.

[Garrow, J.W.] J.W. Garrow reviews work of economics committee. Cotton Trade Journal, v.12, no.18, May 7, 1932, p.3. (Published at New Orleans, La.)

Report of chairman of Economics Committee of the American Cotton Shippers Association at annual convention in Memphis, Tenn., Apr.29, 1932.

Discusses investigation of the Federal Farm Board, by Congress.

Also in Cotton Digest, v.4, no.30, May 7, 1932, p.3-4.

Johnson, William. The outlook for cotton in 1932. American Ginner and Cotton Oil Miller, v.9, no. 3, Nov.1931, p.5-6, 15, 22. chart. (Published at P.O.Box 504, Little Rock, Ark.)

Chart shows price per pound, 1790-1930.

Discusses the prospects for acreage curtailment by legislation and of higher prices.

Miller, E.H. The cotton industry. [Chicago, Association of Grain commission merchants, 1932] [4] p.

Eighth of a series of lectures given under the direction of the Association of Grain Commission Merchants at Chicago, Ill., May 5, 1932.

Also in Cotton Digest, v.4, no.32, May 21, 1932, p.2,7, under title "The evolution of cotton marketing."

Gives a brief description of marketing methods and practices.

Sarle, C.F. Present situation and outlook for cotton. Texas Co-operative News, v.12, no.9, May 1, 1932, p.8. (Published at Dallas, Tex.)

Address delivered before the Fourth Annual Co-operative Marketing School, Dallas, Tex., Apr. 13, 1932.

Shippers assail tariff and Farm board. Commerce and Finance, v.21, no.18, May 4, 1932, p.623. (Published by Theodore H. Price Publishing Corp., 95 Broad St., New York, N.Y.)

Report of meeting of American Cotton Shippers Association at Memphis, Tenn., Apr.29,30,1932.

Resolutions included one condemning the Fulmer standard tare bill.

Truck shipments were also considered.

Demand and Competition

A.C.M.A. urges creative merchandising and jute tariff to increase cotton consumption. Textile World, v.81, no.22, May 28, 1932, p.1854-1859. illus. (Published by Bragdon, Lord & Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

Report of meeting of American Cotton Manufacturers Association at Atlanta, Ga., May 20 and 21, 1932.

Also in Southern Textile Bulletin, v.42, no.13, May 26, 1932, p.16, 22, and p.32-34. (Secretary McLaurine's report.)

Resolutions also in Cotton Trade Journal, v.12, no.21, May 28, 1932, p.1, 6.

Adequate tariff on jute urged by cotton manufacturers. Textile World, v.81, no.22, May 28, 1932, p.1862-1863. (Published by Bragdon, Lord & Nagle Co., Inc., 330 West 42d St., New York, N. Y.)

Includes extracts from speech by R.J. Cheatham on uses of cotton and jute at meeting of American Cotton Manufacturers Association, at Atlanta, Ga.

May 20-21, 1932, together with discussion of a tariff on jute.

Andrews, John. Tropical and sub-tropical agriculture on coastal Queensland. Australian Geographer, v.1, pt.3, May 1931, p.62-68. tables. (Published by the Geographical Society of New South Wales, Science House, Gloucester and Essex Sts., Sydney, New South Wales)

"Cotton production has declined from its war-stimulated peak production of 1924. It suffers from high costs of production and marketing incident to an economically young country in a warm climate with exclusively white labor." - Social Science Abstracts, v.4, no.5, Mar.1932, p.650.

Brasseur, Robert. Remedies for the crisis in the cotton industry. International Cotton Bulletin, v.10, no.39, Apr. 1932, p.310-315. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Paper read at meeting of International Cotton Committee, London, Feb. 23, 1932.

States that "remedies may be classified into four categories: 1. Financial remedies. 2. Development of consumption. 3. Restriction of production. 4. Struggle against Protectionism."

The original paper in French appears on p.215-319.

Callaway urges more consumption of cotton in address at Atlanta. Cotton Trade Journal, v.12, no.20, May 12, 1932, p.4. (Published at New Orleans, La.)

Address of Cason J. Callaway at annual convention of the American Cotton Manufacturers Association at Atlanta, Ga., May 21-22, 1932.

Also in Southern Textile Bulletin, v.42, no. 13, May 26, 1932, p.5-6, 27.

Extract in Textile World, v.81, no.22, May 28, 1932, p.1855-1856.

Copeland, Melvin T. The marketing of textiles. Southern Textile Bulletin, v.42, no. 13, May 26, 1932, p.7-10, 27. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

Address before the annual meeting of the American Cotton Manufacturers Association, Atlanta, Ga., May 20-21, 1932.

Extract in Textile World, v.81, no.22, May 28, 1932, p.1860-1861.

Excerpts in Cotton Trade Journal, v.12, no.21, May 21, 1932, p.4.

Cotton cultivation and manufacture in Russia. Textile Manufacturer, v.58, no.688, Apr.1932, p.128. (Published by Emmott and Co., Ltd., 65 King St., Manchester, England).

Cousins, W.S. Textile activity improves but profit margins are small. Balance of production and consumption contributes towards stabilization of industry--low retail prices hamper complete recovery. Magazine of Wall Street, v.50, no.1, Apr. 30, 1932, p.38-39, 56, 57, 58. (Published at New York, N.Y.)

Includes comment on the present situation in the cotton textile industry, resulting from cooperation of the leaders in the industry.

Crowther, Samuel. A basis for stability. Boston, Little, Brown and co., 1932. 360 p.

Written in collaboration with Myron C. Taylor, Alfred P. Sloan, Jr., and others.

Chap.19. The cotton textiles, by George A. Sloan: p.247-260. "A comprehensive view of the cotton industry...There is much in the cotton + textile situation to lend encouragement. The prospective large supply of raw cotton, and its low price, will give tremendous impetus to the intensive work which the industry has been doing to expand the uses of cotton." Many uses are mentioned.

Cunyus, Paul A. The threat of foreign agricultural competition. Texas Extension Service Farm News, v.17, no.7, Apr.1932, p.7-8. (Published at College Station, Tex.)

Abstract of paper presented at March, 1932, meeting of the Extension fraternity Epsilon Sigma Phi.

"The American cotton farmer is left facing three possible alternatives: Reduce cost below foreign price, which implies a lower standard of living; resort to mechanization and mass production; or cut production in half for home consumption only, and put the slogan 'Live at Home' into practice." Discusses the reasons for the decline in consumption of American cotton.

Ellinger, Barnard. The present impasse in Lancashire. Should wages be reduced? Textile Weekly, v.9, no.218, May 6, 1932, p.209-210. (Published at 49, Deansgate, Manchester, England)

The English cotton trade. Indian Textile Journal, v.42, no.498, Mar.31,1932, p.185. table. (Published at Military Square, Fort, Bombay, India)

"The figures for the trade in cotton textiles of Great Britain for 1931 are now available, and we can have a comparative idea of its position during recent years." Table shows exports of yarn and piecegoods, 1913, 1924-1931.

Fancher, Albert. Cotton magic! Popular Mechanics, v.57, no.4, Apr.1932, p.627-628. illus. (Published by H.H. Windsor, Jr., 200 E. Ontario St., Chicago, Ill.)

Lists industrial uses of cotton.

Flint, Richard. The Italian cotton industry. Textile Weekly, v.9, no.217, Apr.29,1932, p.189-190. tables. (Published at 49, Deansgate, Manchester, England)

Discusses distribution of the industry by companies, factories and activity; the spinning industry; secondary industries such as bleaching, dyeing, etc; foreign trade, showing the change from an import to an export country.

France, L.A., Sweetser, Harvey A., Sargent, William P., jr. Market for cotton yarns in Canada. Canadian cotton yarn production decreased from 29,283,000 pounds in 1929 to 17,501,000 pounds during 1930--United States share of Canadian yarn imports comprised at 68.3 per cent in 1930. Commerce Reports, no.21, May 23,1932, p.452-455. table. (Published by Bureau of Foreign and Domestic Commerce, U.S.Department of Commerce, Washington, D.C.)

Hammersley, S.S. The Joint Committee and the L.C.C. [Lancashire Cotton Corporation] Will the combine reap double benefit? Manchester Guardian Commercial, v.24, no.620, May 7,1932, p.342. (Published at the Guardian Bldg., Manchester, England)

Criticises policies of the Lancashire Cotton Corporation.

Holland, Maurice. A science audit of the textile industry. Southern Textile Bulletin, v.42, no. 11, May 2,1932, p.3,10,27. (Published by Clark

Publishing Co., 18 West Fourth St., Charlotte, N.C.)

Address presented at meeting of the U.S. Institute for Textile Research, Inc., at Hotel Biltmore, New York, May 4, 1932.

"A thumb-nail sketch of the industry, its present research position, and its future possibilities, if the levers of applied science are used." Urges increased research.

Jordan, Harvie. Textile manufacturers want better quality and length of staple instead of short degenerated cotton fibre. Southern Cultivator, v.89, no.24, Apr.15,1932, p.2. (Published by the Constitution Publishing Co., Box 1731, Atlanta, Ga.)

La Baumelle, R.A.de. The repercussions of currency fluctuations and trade restrictions upon the future of the world's cotton undustry. International Cotton Bulletin, v.10, no.39, Apr.1932, p.326-332. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Paper presented at the meeting of the International Cotton Committee, London, February 23, 1932.

Original paper in French appears on p.322-326.

The market for American cotton in India. Foreign Crops and Markets, v.24,no.11, Mar.14,1932, p.408. (Published by the Foreign Agricultural Service, Bureau of Agricultural Economics, U.S.Department of Agriculture, Washington, D. C.)

Based on a report from American Consul Dayle C. McDonough at Bombay.

"There has been for several years a good demand for American cotton for use by the Indian mills manufacturing moderately fine textiles, but the marked developments made in the manufacture of the better grades of cotton goods in the last year has greatly increased the quantity of cotton imported from the United States."

Myers, David J.D. Market for cotton yarns in Costa Rica. Commerce Reports, no.21, May 23, 1932, p.455-456. (Published by Bureau of Foreign and Domestic Commerce, U.S. Department of Commerce, Washington, D.C.)

"Costa Rican import statistics for 1931 are not yet available, but in 1930 the country im-

ported about 55,000 pounds of cotton yarn, of which the United States supplied 73 per cent; Italy, 23 per cent; and France and Germany, the small remainder."

Mylius, G. Currency systems and trade restrictions in connection with the world's cotton industry. International Cotton Bulletin, v.10, no.39, Apr.1932, p.332-333. (Published by International Federation of Master Cotton Spinners' and Cotton Manufacturers' Associations, Manchester, England)

Paper presented at meeting of the International Cotton Committee in London, Feb.23,1932.

Niemeyer, A. Market trend of world textile trade. Textile Recorder, v.50, no.590, May 15,1932, p. 23-24. (Published at 121, Deansgate, Manchester, England)

Nones, Hiram T. Philippine cotton piece-goods market. Washington, Govt. print.off., 1932. 15p. tables. (U.S. Bureau of foreign and domestic commerce. Trade information bul. 793)

Describes present status of the market, selling methods in the Manila market, importation of staple goods, and imports of rayon and silk fabrics.

Nyhus, Paul O. China's demand large for some U.S. products, despite low incomes. Yearbook of Agriculture, 1932, p.129-134. illus. (Published by U.S. Department of Agriculture, Washington, D.C.)

"In recent years cotton has taken the leading place among these products." Describes cotton spinning industry in China.

Rao, A.P. Production and distribution of handloom fabrics in Mysore state. Indian Textile Journal, v.42, no.498, Mar. 31, 1932, p.196. (Published at Military Square, Fort, Bombay, India)

"Raro." Japan's textile trade. Exchange values and Lancashire's competitive power. Textile Weekly, v.9, no.216, Apr.22,1932, p.167. (Published at 49, Deansgate, Manchester, England)

Effect on the cotton trade of Japan's lapse from the gold standard.

Sloan, George A. Going after business. Southern Textile Bulletin, v.42, no.13, May 26,1932, p.12, 23-25. (Published by Clark Publishing Co., 18

West Fourth St., Charlotte, N.C.)

Address at annual meeting of American Cotton Manufacturers Association, Atlanta, Ga., May 20-21, 1932.

Discusses the value of Cotton Week and the promotion of new and extended uses for cotton.

Excerpts in Cotton Trade Journal, v.12, no.20, May 21, 1932, p.2; and in Textile World, v.81, no. 22, May 28, 1932, p.1858.

Three years of Indian cotton trade. Japan in the ascendant in Indian markets. Indian Textile Journal, v.42, no.498, Mar.31, 1932, p.189-190. (Published at Military Square, Fort, Bombay, India)

"The main features of Indian import trade in cotton, yarn and piecegoods in 1931, as compared with 1930 and 1929, are analysed in an important statement circulated by the Committee of the Bombay Millowners' Association." The statement is reprinted.

Volin, L. Cotton exports to Russia decline as acreage and output there increase. Yearbook of Agriculture, 1932, p.142-145. (Published by U.S. Department of Agriculture, Washington, D.C.)

Zucker, Ernest. Currency and trade restrictions. International Cotton Bulletin, v.10, no.39, Apr. 1932, p.320-322. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

"The value of gold...measured in terms of cotton has risen almost threefold."

Supply and Movement

Janini Janini, R., and Torres, M.de. Sobre el cultivo del algodón. Agricultura, v.4, no.40, Apr.1932, p.246-248. (Published at Cabellero de Gracia, 34 ,1º, Madrid, Spain)

On the cultivation of cotton.

Discusses the question of increased cotton production in Spain.

Lanham, W.B. Cotton data record variation in staple length, 1928-1931. Yearbook of Agriculture, 1932, p.140-142. charts. (Published by U.S. Department of Agriculture, Washington, D. C.)

"The preliminary figures now available do not indicate that deterioration in staple length has occurred during the last three years."

Tchikoff, Valentine V. The cotton empire of the U.S.S.R. Asia, v.32, no.4, Apr. 1932, p.255-263. illus. (Published at 10 Ferry St., Concord, N.H.)

Traces history of cotton production in Central Asia; describes present methods in Turkestan and work under government control through the Cotton Trust.

Prices

Howard, R.H. Relation of quality to price of cotton. Florida Agricultural Extension Economist, v.11, no.4, Apr.1932, p.2-6. tables. (Published at Gainesville, Fla.) Multigraphed.

"During the year 1928 information covering three local markets was obtained in a cooperative study made by the Florida Experiment Station and the Bureau of Agricultural Economics, U.S. Department of Agriculture. The data were secured by obtaining a sample of cotton from each bale sold in the markets and classified by government experts according to government standards for color, grade, and staple. The prices paid for respective bales were secured from the local buyers and compared with the average price paid for respective grades and staples in the 10 central markets." Conditions reported "would tend to indicate that cotton was bought on the basis of the average quality produced within an area and this tends to place a premium on low grades and a penalty on high grades."

Howell, L.D., Burgess, John S., jr., and Neubauer, T.A. Farm prices of cotton related to its grade and staple length--Mississippi crop--season 1928-29. A preliminary report. Washington, U.S. Dept. of agriculture, 1932. 46 p. charts. tables. Mimeographed.

Investigation shows producer outside co-ops get only 50% premium value quality cotton. Central markets recognition of premiums on quality double that actually paid producer in interior market. Texas Co-operative News, v.12, no.9, May 1, 1932, p.9. (Published at Dallas, Tex.)

Report of address by L.D. Howell delivered at the Fourth Annual Co-operative Marketing School, Dallas, Tex., Apr.13, 1932, on comparison of premiums paid for cotton in local and central markets during the 1928-29 season.

Lancastrian. Commodity production and price fluctuations. I. The reliability of index numbers. Manchester Guardian Commercial, v.24, no.620, May 7, 1932, p.341. diagrs. (Published at the Guardian Bldg., Manchester, England)

"First of a series...on methods of measuring the interrelation of price and production."

American cotton is used for illustration.

The McAdoo plan for wheat and cotton. Proposals for fixing of domestic market prices... South-western Miller, v.11, no.5, Mar.29, 1932, p.21-22. (Published at 306-12 Board of Trade Bldg., Kansas City, Mo.)

"Without allowing for uncertainties in the foreign demand for American wheat or the wide fluctuations in foreign prices, together with the problem of carryovers, W.G. McAdoo...proposed the fixing of minimums on domestic prices of wheat and cotton in an address before the Salesmanship Club of Houston, Texas, March 19.

"The principal points in Mr. McAdoo's address entitled 'How to Save our Wheat and Cotton Farmers and Revive General Prosperity'" are given.

Slater, W.H. Cotton trade prices. Cottons recede as sterling rises. Textile Weekly, v.9, no.216, Apr.22, 1932, p.165. table. (Published at 49, Deansgate, Manchester, England)

Swinford, B.M. Price spreads between different grades of cotton. News Bulletin, v.1, no.4, Apr.29, 1932, p.1-4. tables. chart. (Published by School of Commerce and Administration, University of Chicago, Chicago, Ill.) Mimeographed.

A study of spreads between prices of the different grades of raw cotton from March 1924 to January 1932.

Marketing and Handling Methods and Practices

Garbagnati, Luigi. The net weight contract for raw cotton. International Cotton Bulletin, v.10, no.39, Apr.1932, p.368-374. tables. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations,

Manchester, England)

"Paper submitted to International Cotton Committee Meeting, London, February 23, 1932, by Associazione Italiana Fascista degli Industriali Cotonieri, Milan."

Porritt, J. The value of the futures market. Textile Weekly, v.9, no.218, May 6, 1932, p.220-221. (Published at 49, Deansgate, Manchester, England)

In a lecture to the Blackburn and District Managers' Mutual Association (England).

Discusses technique of futures trading and effect on the cotton market of Gt. Britain's departure from the gold standard.

Volpi, Marsilio. Transacting American cotton business on net weight basis. Cotton Trade Journal v.12, no.19, May 14, 1932, p.2, 6. (Published at New Orleans, La.)

Discusses need for net weight basis. Describes new contract of the Associazione Italiana Fascista degli Industriali Cotonieri of Milan, Italy, which is "a separate additional form of contract, intending to regulate henceforth the purchase of American cotton on a net weight basis."

Services and Facilities

A.C.M.A. traffic committee submits report at Cotton Trade Journal, v. 12, no.20, May 21, 1932, p.2. (Published at New Orleans, La.)

Report submitted at annual meeting of the American Cotton Manufacturers Association at Atlanta, Ga., May 21-22, 1932.

"It is our view that the future existence of the railroads is a necessity to industry, and only when they decline to meet the rates as quoted by motor trucks, or when time in transit is a factor, should traffic be diverted from them to other forms of transportation."

Fulbright, R. C. Our changing freight traffic. Will the motor truck supplant the locomotive? Manufacturers Record, v.101, no. 19, May 12, 1932, p.25-26. (Published at Commerce and Water Sts., Baltimore, Md.)

Discusses the development of cotton movement by truck and effect on railroads.

Gonzalez, Raul D. Classificacion del algodón. Los arbitrajes en clasificacion de algodón Mexicano.

Mexico. Secretaria de Agricultura y Fomento, Direccion General de Agricultura, Boletin Mensual, no.2, May 15, 1932, p.199. (Published at San Jacinto, D.F., Mexico)

Classification of cotton. Arbitrations of Mexican cotton classification.

New Orleans. Board of commissioners of the port. Port handbook of New Orleans, 1930. [New Orleans, 1930?] 58 p. illus., tables.

Public cotton warehouse described: p.26-27.

Cooperation in Marketing

Annual membership meeting re-elects all directors-- Adopts new by-laws. Cotton Co-op of South Carolina, v.2, no.6, May, 1932, p.1. (Published at Columbia, S.C.)

Report of meeting of South Carolina Cotton Growers' Cooperative Association, May 17, 1932, giving names of officers.

Murray, R.J. General manager's annual report. Texas Co-operative News, v.12, no.10, May 15, 1932, p.6. (Published at Temple and Dallas, Tex.)

"Full text of annual report to the annual membership meeting of the Texas Cotton Co-operative Association, held in Dallas, Monday, May 9th, 1932."

Surveys work of the year; considers comparative operating costs; trucking plans; progress in handling cotton; co-operative marketing act; Texas Co-operative Council; congressional investigation.

Smith, James A. President's annual message. Texas Co-operative News, v.12, no.10, May 15, 1932, p.7. (Published at Temple and Dallas, Tex.)

"Full text of...annual message to the annual membership meeting of the Texas Cotton Cooperative Association held in Dallas, Monday, May 9th, 1932."

Discusses policies of the Association and changes in past year.

UTILIZATION

Fiber, Yarn, and Fabric Quality

Balls, W.L. Easy control of moisture content in cotton bales. International Cotton Bulletin, v.10, no.39, Apr. 1932, p.391-393. (Published by Inter-

national Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Describes a new technique for determining if a bale of cotton is of the agreed moisture content. "The application would consist of dropping a rod into contact with the bale, moving a switch, and watching an indicating dial."

Abstracts in Cotton (Manchester), v.37, no. 1816, May 7, 1932, p.3.

Balls, W.L. Note on spinning value of new Egyptian cottons. International Cotton Bulletin, v.10, no.39, Apr.1932, p.388,391. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Paper prepared for the meeting of spinner members of the Joint Egyptian Cotton Committee in London, Feb.23, 1932.

Comparative lea strength figures are given for the new varieties Giza 7, Maarad and Sakha 4.

Downey, K.Melvina. Laundry tests under scientific control show how to prevent damage. Yearbook of Agriculture, 1932, p.569-572. illus. (Published by U.S. Department of Agriculture, Washington, D. C.)

"The Bureau of Home Economics is conducting a series of tests and studies with different sheetings which have been manufactured from known grades of raw cotton under supervision of the Bureau of Agricultural Economics." The effect of scorching is shown.

Einecke, Erich. Über ein verfahren zur schnellbestimmung des adhasionswassers von textilfasern. Zeitschrift für Analytische Chemie, v.85, no.1-3, 1931, p.45-50. diags. (Published at Linkstrasse 23/24, Berlin W9, Germany)

Method for the rapid determination of adhesion water on textile fibers.

"The method depends on the measurement of the change in length caused by evaporation of the water while the fibers are under tension. The change in length corresponds to a diminution in volume and decrease in ability of the fiber to stretch. The change in length is proportional to the water content up to 20%. A determination takes about 6 minutes. Only a few mg. of sub-

stance is required for the test."- Chemical Abstracts, v.25, no.19, Oct.,1931, p.5571.

Hess, Katharine, and Hamilton, J.O. Protection afforded the skin against sunburn by certain textile fibers. Melliand Textile Monthly, v.4, no.2, May 1932, p.98-100. illus., tables. (Published by Textile Manufacturers Monthly, Inc., 305 Washington St., Brooklyn, N.Y.)

Contribution no.14, Department of Clothing and Textiles, Kansas Agricultural Experiment Station.

"The limited data herewith submitted tend to prove that the protection from sunburn afforded the skin by fabrics depends primarily upon the percentage of interstices due to construction. The vegetable fibers, cotton and linen, transmit some of the rays that burn and tan, thus offering a small coefficient of protection, whereas the animal fibers, silk and wool, absorb a large portion of these rays, thus offering a higher coefficient of protection."-Conclusions.

Hess, Kurt, and Trogus, Carl. Zur kenntnis der faserperiode bei cellulosederivaten. (Röntgenographische untersuchungen an cellulosederivaten X). Zeitschrift für Physikalische Chemi, Abt.A, Ergänzungsband, 1931, Bodenstein-Festband, p.385-391. tables. (Published by Akademische Verlagsgesellschaft m.b.h., Leipzig, Germany)

"Röntgen studies of cellulose and various cellulose derivatives show that the fibre period is a multiple of 5.15 \AA . The factor may be 2,3,4, or 5. The value 5.15 corresponds to the length dimension of a glucose group. It is therefore concluded that this dimension has a closer relation to the constitution of a cellulose than the dimension 10.3 \AA , corresponding to a cellobiose group, which has previously been considered in this connection."- Textile Institute, Journal, v.22, no.12, Dec. 1931, p.A649.

Hess, Kurt, and Trogus, Carl. Zur kenntnis der reaktionsweise der cellulose. (Ein beispiel für die reaktionsweise bei gebilden mit grosser innerer oberfläche). Zeitschrift für Physikalische Chemie, Abt.B, v.15, no.2/3, Dec. 1931, p.157-222. illus., tables. (Published by Akademische Verlagsgesellschaft m.b.h., Leipzig, Germany)

"Various theories of the nature of cellulose reactions are critically discussed and the influence of the medium and of the structure of cellulose fibers on the course of the reactions is outlined. A detailed account is given of investigations of methylation, nitration, acetylation and other esterification processes by the methods of chemical analysis and by studies of Röntgen diagrams. The results indicate that cellulose reactions are most probably of the micellar-heterogeneous type and that micellar-permutoid reactions are not involved. X-ray photographs are supplied." -Textile Institute, Journal, v.23, no.3, Mar.1932, p.A146.

Mark, H. The significance of the new cellulose model (molecular structure) for the technical and dyeing properties of the fibre. Journal of the Society of Dyers and Colourists, v.48, no.3, Mar.1932, p.53-59. illus. (Published at Ocean Chambers, 32-34 Piccadilly, Bradford, England)

Lecture at the College of Technology, Manchester, England, Nov.6,1931.

"Steps in the unit structure of cellulose..... fibers are glucose, cellobiose, cellulose, micelles, fibrils. Practical inferences from the theory are described."

Abstract in Textile Manufacturer, v.58, no.688, Apr.1932, p.154-155.

Abstract in U.S.Institute for Textile Research Bulletin, v.2, no.5, May 1932, p.11.

"Minesta." Skin (cuticle) effects in fibres. A consideration of fibre surface in relation to dyeing and finishing processes. Textile recorder, v.50, no.590, May 15,1932, p.55,57,71. illus. (Published at 121, Deansgate, Manchester, England)

"Individual fibres of cotton and rayon have many properties, but in this article attention is particularly drawn to those properties which are influenced by the fact that such fibres have a skin or cuticle."

Nickerson, Dorothy. Cotton progressively lowered in grade by exposure, tests show. Yearbook of Agriculture, 1932, p.150-152. illus. (Published by U.S.Department of Agriculture, Washington, D.C.)

Reports study carried out in the 1930 season with cotton grown at the South Carolina Agricul-

tural Experiment Station on relation of exposure to color of cotton.

Oparin, A., and Rogowin, S. Zur kenntnis der natur der baumwollpigmente. Melliand Textilberichte, v.11, no.12, Dec.1930,p.944-946. (Published at Heidelberg, Germany)

Information on the nature of cotton pigment.

"Attempts to extract the yellow pigment of cotton with ethyl alcohol, methyl alcohol, ether, chloroform, benzene, benzine, and acetone were undertaken. Only methyl alcohol and acetone were appreciably effective. When these extracts are treated with alkali they become intensively yellow. Even water extracts show this test. There was obtained a small amount of crystalline material apparently identical with chlorogenic acid. The latter had previously been obtained from cotton seeds by Gortner. Spectrophotometric studies have confirmed the similarity of the oxidation product of chlorogenic acid and the oxidized material from the cotton lint. When chlorogenic acid is acted upon by the oxygen of the air in the presence of oxydase enzymes or alkali (Note: cotton contains alkaline trimethyl amine) it yields a stable brown pigment. This pigment appears to be identical with the natural pigment of the cotton lint."-From abstract by C.M.Conrad.

Richardson, R.P., and Ahmad, Nazir. Application of different systems of high draft spinning to mixings of Indian cottons. Rombay, The Times of India press, 1932. 38 p. tables. (India. Indian central cotton committee.Technological laboratory. Tech.bul.,Ser.A., no.19)

Rosenzweig, Adolf. How durable are textiles? A way to determine it. Textile World, v.81, no.20, May 14,1932, p.1686-1688. illus. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

Describes use of the abrasion tester and reports comparative durability of wool, silk, cotton and rayon. "The absolute durability of the best fabrics, plain weave and weighing 100 grams per square meter, worn 16 hours daily by middle class men, is 11 days for rayon, 50 days for silk, 300 days for wool, 560 days for linen, and 1,300 days for cotton. These figures, based exclusively on our abrasion tester, correspond exactly to all available experiences."

Woodhouse, T., and Brand, A. Yarn diameter and fabric construction. Textile World, v.81, no. 22, May 28, 1932, p.1872-1875. tables. (Published by Bragdon, Lord & Nagle Co., Inc., 330 West 42 St., New York, N.Y.)

Deals briefly "with the calculations regarding the relative diameter of yarns and their application to the setting of fabrics."

Technology of Manufacture

Gilljam, Josef. Schalenfreihere baumwollgarne durch kardierapparat und einzelkrempel. Spinner und Weber, v.49, no.26, June 26, 1931, p.1-3; no.27, July 3, 1931, p.1,3. diagr. (Published at Gellertstrasse 7/9, Leipzig, Germany)

Removing trash from cotton yarn through carding apparatus and the single card.

Reply by Ludwig Schorsch in Spinner und Weber, v.50, no.19, May 6, 1932, p.6-8.

Greenhalgh, H. Gain and ratch on cotton mule and problems they present. Textile World, v.81, no. 19, May 7, 1932, p.1608. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

The purpose of gain and ratch is not only to pull thick places out of the yarn, but to distribute the twist evenly in the yarn made during the draw.

Greenhalgh, H. Winding and doubling: regulation of yarn tension. Textile American, v.57, no.5, May 1932, p.46-47. (Published at 440-442 Old South Bldg., Boston, Mass.)

From the "Cotton Factory Times."

Hanton, W.A. Automatic v. Lancashire looms. Some notes on the report of the Lancashire cotton corporation's test. I. Costings. Textile Weekly v.9, no.217, Apr.29, 1932, p.197-198. (Published at 49, Deansgate, Manchester, England)

To be continued.

Harvey, T.W. About curl in cotton. Southern Textile Bulletin, v.42, no.10, May 5, 1932, p.22-23. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

Letter to the editor giving further information on the question of curling discussed at

meeting of the Carders' Division of the Southern Textile Association, Columbia, S.C., Apr. 22, 1932.

Kersey, John T. Preventing inferior yarns and cloth in carding and spinning processes. Southern Textile Bulletin, v.42, no.10, May 5, 1932, p.4-5, 8-9, 23-25. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N.C.)

The processes are described and formulas are given.

Knight, H. G. Industry gains from chemical research. Manufacturers Record, v.101, no.18, May 5, 1932, p.26-27, illus. (Published at Commerce and Water Sts., Baltimore, Md.)

Fast dyes for cotton goods: p.26.

Korte, H. Bermerkungen zu den neuerungen in der baumwollbleiche. Monatschrift für Textil-Industrie, v.46, no.10, Oct.1931, p.342-343. (Published by Theodor Martins Textilverlag, Leipzig, Germany)

To be continued.

"Comparative calculations of the cost of chemicals for bleaching warp beams by the ordinary hypochlorite process, the Griesheim 'intermediate boil' process, the combined hypochlorite-oxygen bleach using either sodium peroxide or hydrogen peroxide, and the oxygen bleach with sodium peroxide and with hydrogen peroxide have shown the cost for the various processes to be 2.68, 3.09, 5.23, 5.59, 6.59 and 12.19 Rm. per 100 kg. of goods respectively. The appropriate use and adaptation of these processes is discussed and the results of experiments in which yarns of American, Egyptian and mercerised Egyptian cotton were bleached by them and examined for strength, loss of weight, whiteness and potassium permanganate number, ash content and ether-alcohol extract are tabulated and discussed."-Textile Institute, Journal, v.23, no.3, Mar.1932, p.A123.

A new form of cotton cleaning machine--the Gyrator. Cotton. v.96, no.5, May 1932, p.60,62. illus. (Published by W.R.C.Smith Publishing Co., Atlanta, Ga.)

"A new cotton cleaning machine which simply sifts the dirt, leaf, motes and other foreign matter out of the stock."

New S.T.A. Division discusses technical questions. Southern Textile Bulletin, v.42, no.11, May 12 1932, p.4-8, 24-25. (Published by Clark Publishing Co., 18 West Fourth St., Charlotte, N. C.)

Meeting of the Virginia and Western North Carolina Division of the Southern Textile Association in Greensboro, N.C., May 6, 1932.

Matters discussed included neps in cotton carding, problems relating to spinning and accident prevention in the mill.

Also in Textile World, v.81, no.20, May 14, 1932, p.1690-1691.

Also in American Wool and Cotton Reporter, v.46, no.20, May 19, 1932, p.9-10, 14.

Ristenpart, E. Die beherrschung der farbe in der färberei. Monatschrift für Textil-Industrie, v.46, no.10, Oct.1931, p.344-346. diagr. (Published by Theodor Martins Textilverlag, Leipzig, Germany)

To be continued.

Lecture at Werkstelle für Farbkinde at Chemnitz, June 11, 1931.

"A report of a lecture on the Ostwald colour system in relation to the practical control of colour in dyeing. Experiments have been made on the dyeing out of red and green isochromatic triangles with Sirius Red BB and Sirius Green BB on bleached cotton yarn and it is shown that all fields of the triangles can be realised practically and all derivatives of the dyes obtained in equidistant relationship, and that ultimately the whole colour body could be systematically dyed out in this relationship."-Textile Institute, Journal, v.23, no.3, Mar.1932, p.A124.

Southern carders discussions. Members of S.T.A. division discuss curling of cotton, various causes and remedies of neps, setting of back plate of card and benefits of oil spraying of cotton. American Wool and Cotton Reporter, p.27-30. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.)

"Partial report of meeting of Carders. Division of Southern Textile Association at Columbia, S. C.," Apr.22, 1932.

Strong, J.H. Humidity in the cotton mill. Textile Weekly, v.9, no.216, Apr.22, 1932, p.171-172. (Published at 49, Deansgate, Manchester, England)

Lecture to the Blackburn and District Managers' Mutual Association, England.

Weisselberg, A. The drying of textiles. Melliand Textile Monthly, v.4, no.2, May 1932, p.113-116. diagsr. (Published by Textile Manufacturers Monthly, Inc., 305 Washington St., Brooklyn, N.Y.)
To be continued.

"The author not only covers the present known principles of drying, but outlines the trend of development, new findings and conclusions."-
Editorial note.

Technology of Consumption

Hart, T.R. Attractive suitings woven from coarse cotton yarns. Textile World, v. 81, no.19, May 17, 1932, p.1604-1605, illus. (Published by Bragdon, Lord and Nagle Co., Inc., 330 West 42d St., New York, N.Y.)

Pennington, J.W. Terry toweling fabrics. Their construction and manufacture. Textile American, v.57, no.5, May 1932, p.9-11. illus. (Published at 440-442 Old South Bldg., Boston, Mass.)

Rice, George. Opportunities for manufacturers: manufacture of denim suiting and draping fabrics. Textile American, v.57, no.5, May 1932, p.19-44. illus. (Published at 440-442 Old South Bldg., Boston, Mass.)

Describes the construction of denims to meet the growing demand for finer texture, design and finish.

Viemont, Bess M. Cotton is utilized as new foundation material for making hooked rugs. Yearbook of Agriculture, 1932, p.558-560. illus., table. (Published by U.S.Department of Agriculture, Washington, D. C.)

Table shows comparison of cotton with other materials for this purpose.

Zieme, C.H. Mechanical textiles in combination with rubber structures. Textile Manufacturer, v.58, no.688, Apr.1932, p.133-134. (Published by Emmott and Co., Ltd., 65 King St., Manchester, England)

Paper read to the U.S.Society for Testing Materials.

"A brief summary of some accessory textile materials used in mechanical rubber products. Cotton reinforcing materials comprise yarn, cord and woven fabrics, belt ducks, hose, and other products." These are described.

SEED AND SEED PRODUCTS

Fritsch, J. Fabrication et raffinage des huiles végétales. 4th ed. Paris, Amédée Legrand, 1931. 794 p. illus.

Manufacture and refining of vegetable oils. Cottonseed oil: p.332-358.

Greenwood, J.P. Fifty years of oil mill progress? Cotton and Cotton Oil News, v.33, no. 19, May 7, 1932, p.12-13. (Published at 3116-18 Commerce St., Dallas, Tex.)

Urges need of progressive methods in crushing and delinting seed and seed storage.

Hayes, A.G. Sampling of cottonseed in trucks. American Ginner and Cotton Oil Miller, v.9, no.3, Nov.1931, p.19. (Published at P.O.Box 504, Little Rock, Ark.)

"This address was given at the October Meeting of the Tri-States Cottonseed Oil Mill Superintendents' Association."

Describes methods of sampling.

Meloy, Guy S. Cottonseed evaluation by standard grading. Cotton Oil Press, v.16, no.1, May 1932, p.15-17. (Published by Interstate Publishing Co., Inc., Memphis, Tenn.)

Address at meeting of Valley Division of the National Cottonseed Products Association at Hot Springs, Ark., April 11, 1932.

Oil food makers protest tax bill. Cotton Oil Press, v.16, no.1, May 1932, p.37-38. (Published by Interstate Publishing Co., Inc., Memphis, Tenn.)

"Mississippi legislators asked to consider carefully welfare of American farmers in proposed laws to regulate margarine sales." Petition to the Mississippi legislature from the Shortening and Oil Division of the National Cottonseed Products Association.

"Sound and fury" in congressional halls. Cotton Oil Press, v.16, no.1, May 1932, p.23-24, 29,31-33. (Published by Interstate Publishing Co., Inc., Memphis, Tenn.)

Reports statements of Representatives H.P. Fulmer and Wright Patman before a sub-committee of the House Committee on Appropriations regarding the cottonseed products trade practice conference rules of the Federal Trade Commission.

Thornton, M.K. Cottonseed products. Wharton, Tex., Oil mill gazetteer, [c1932] 268 p. illus.

"In the preparation of the subject matter in this text, due consideration has been given the needs of the practical operator, the student, and the manager...It seeks to cover in brief manner some of the basic principles of operation and thus serve as a nucleus around which a scientific study of the numerous problems affecting the industry may develop."-Preface.

Ward, A.L. Educational service. Cotton and Cotton Oil News, v.33, no. 21, May 21, 1932, p.5, 9. (Published at 3116-18 Commerce St., Dallas, Tex.)

Report of Director of Educational Service, of the National Cottonseed Products Association, at annual convention in New Orleans, La., May 16-17, 1932.

Discusses the relation of the Educational Service of the Association to phases of the cotton oil industry.

Woodall, Ed. Urgent necessity for effective tariff on foreign vegetable oils. Cotton and Cotton Oil News, v.33, no.19, May 7, 1932, p.14. (Published at 3116-18 Commerce St., Dallas, Tex.)

Letter to the editor, showing competition of foreign vegetable oils with cottonseed oil.

LEGISLATION, REGULATION, AND ADJUDICATION

Adams, Orville. U.S. Supreme court holds Oklahoma utility law invalid. Oil Miller and Cotton Ginner, v.40, no.3, May 1932, p.6. (Published at 161 Spring St., N.W, Atlanta, Ga.)

"Oklahoma law requiring a 'certificate of public convenience and necessity' as a prerequisite to engaging in business" declared invalid. The decision "foreshadows the fate before the Federal tribunal of cases involving cotton gins."

McCormick, Thomas C. Cotton acreage laws and the agrarian movement. Southwestern Social Science Quarterly, v.12, no.4, Mar.1932,p.296-304. (Published by the Southwestern Social Science Association, Austin,Tex.)

Brief history of the agrarian movement. The place in that movement of recent efforts to reduce cotton acreage by legislation is discussed.

Net weight bill for cotton in U.S.A. International Cotton Bulletin, v.10, no.39, Apr. 1932, p.374-375. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

From the Cotton Trade Journal.

Includes provisions of the Fulmer Bill.

State penitentiary to grow pedigreed cotton seed. Farmers will get pure seed grown by state at low cost Bill passes legislature. Mississippi Co-op News, v.3, no.10, May 1932, p.8. (Published at 236 1/2 E.Capitol St., Jackson, Miss.)

Miss. Bill H.B.no.664 reprinted in full.

U.S.Congress.Senate.Committee on agriculture and forestry. To abolish the Federal farm board and secure to the farmer cost of production . Hearings before the Committee on agriculture and forestry, United States Senate, Seventy-second Congress, first session on S.3133, a bill to abolish the Federal farm board; to secure to the farmer a price for agricultural products at least equal to the cost of production thereof, and for other purposes. February 4 and 5, 1932. Washington, U.S. Govt.print. off., 1932. 77 p.

Cotton is used as an illustration throughout the discussions.

U.S.Congress.Senate.Committee on agriculture and forestry. To regulate the sale of cotton and wheat by the Federal farm board. Hearings... seventy-second Congress, first session on S.4167. A bill to regulate the sale of cotton owned or financed and controlled by the Federal farm board and for other purposes...April 5,6,7, and 8, 1932. Washington, U. S.Govt.print.off.,1932, 286 p.

Webb, Elizabeth Yates. Cotton manufacturing and state regulation in North Carolina, 1861-'65. North Carolina Historical Review, v.9, no.2,

Apr.1932, p.117-137. (Published by the North Carolina Historical Commission, Raleigh,N.C.)

"The details of the condition of the industry during these years of state regulations and the effect on output, prices, and profits" are discussed.

MISCELLANEOUS--GENERAL

Brazil.Ministerio da agricultura, industria e commercio.Serviço de algodao. Programma para o curso de especializacao,organizado pela Seccao tecnica desta superintendencia. Rio de Janeiro, H.Velho & cia, ltda.,1930. 7 p.

Program of a course of study for cotton specialists.

Brazil.Ministerio da agricultura, industria e commercio. Serviço do algodao, Parahiba (state) Relatorio da delegacia do servico federal do algodao na Parahyba... 1929. Parahyba, Imprensa official, 1930. 54 p. illus., charts, tables.

Describes work of the "Serviço do Algodao," including varieties raised, work of experiment stations, first cotton festival, courses in classification, and cotton exported.

Cotton manufacturers association of North Carolina. Meeting...December 4 and 5,1931. Carolina Hotel, Pinehurst, N.C. [1931] 22 p.

Includes by-laws of the association; report of Traffic Committee; resolutions of the meeting.

Entire industry honors Garvan and gets behind research move. Textile World, v.81, no.19, May 7,1932, p.1602-1603. illus. (Published by Bragdon, Lord and Nagle Co.,Inc.,330 West 42d St., New York, N.Y.)

"Cooperative fundamental research in the textile industry, and the part which Francis P. Garvan is to play in it as president of the U.S.Institute for Textile Research, received the pledge of unanimous support from practically all textile organizations at the luncheon-reception to Mr. Garvan at the Hotel Biltmore, New York," May 4,1932.

Extracts from speeches are given.

Also in American Wool and Cotton Reporter, v.46, no.20, May 19,1932, p.13-14.

Also in U.S. Institute for Textile Research Bulletin, v.2, no.5, May 1932, p.1-4.

Louisiana Agricultural experiment station. Report... for the years 1929-1931, by C.T. Dowell. [Baton Rouge, 1932] 140 p.

Includes reports on the following projects: Fertilizer effects on cotton: p.18; investigations of varieties: p.24; outfield experiments: p.37-38; cotton price quality relationships in local markets in Louisiana: p.50-54; subsoiling of cotton land: p.70; experiments in feeding cottonseed and cottonseed meal: p.79-80.

Mahalanobis, P.C. A statistical note on the method of comparing mean values based on small samples. Indian Journal of Agricultural Science, v.2, pt.1, Feb.1932, p.28-41. tables. (Published by Government of India Central Publication Branch, Calcutta, India)

"Mr. K.V.Joshi...recently sent me certain data ...for the 'percentage success of bolls from flowers opening on a plant' for 20 plants each of 5 types of cotton...and enquired how the data could be used for comparative purposes." Actual names of the various types of cotton used are not given. The method of comparison is described.

Minutes of the International cotton federation committee meeting, held at the Hotel Victoria, Northumberland avenue, London, on Tuesday, 23rd February, 1932, at 10-30 a.m. International Cotton Bulletin, v.10, no.39, Apr.1932, p.301-309. (Published by International Federation of Master Cotton Spinners' and Manufacturers' Associations, Manchester, England)

Includes discussion and short reports on state of trade in different countries and resolutions regarding net-weight trading and moisture tests of American cotton.

Robinson, Hugh L. The blow-room of literature. Textile Weekly, v.9, no.216, Apr.22,1932, p.172. (Published at 49, Deansgate, Manchester, England)

"In a lecture to the Ashton-under-Lyne and District Mill Managers' Association."

"The blow-room numbers among its functions that of 'the removal of impurities' from the cotton... It is in this sense that I have applied the term 'blow-room' to those processes which I propose to describe in relation to textile literature."

Discusses scientific periodicals, technical and trade publications, text-books, abstract journals and pamphlets, bulletins, etc.

[Textile institute, Manchester] Twenty-second annual general meeting at Manchester. Textile Institute, Journal, v.23, no.4, Apr. 1932, p.P49-P61. tables. (Published at 16, St. Mary's Parsonage, Manchester, England)

Proceedings of annual meeting held Apr.20, 1932, at the Textile Institute, Manchester, England.

Textile manufacturer year book 1932. Manchester, Emmott and co.,ltd.,1932. 511 p. diagsr. tables.

"The aim is to provide compressed but complete up-to-date accounts of the art of textile manufacture in all the branches...In cotton spinning extensive articles on the use of High Drafts, Cotton Yarn Costing, on the Mule, and a weaving on Loom Production have been inserted...Recently introduced new Chemical Tests and Tests for the identification of Fibres form a new section...A number of articles reviewing technical developments in a few branches are provided in this edition. These include Cotton Opening and Carding, Ring Spinning, the Preparation of Warps, Calico Printing, and other subjects."-Preface.

U.S.Bureau of standards. Standards yearbook, 1932. Washington, U.S.Govt.print.off.,1932. 394 p. (Misc. pub.133)

Includes mention of developments in the standardization of cottonseed products and of cotton fabrics.